Section A
Executive Summary

INTRODUCTION

This section provides an executive level summary of the performance information covered in this report and is intended to bring to Management's attention that information considered to be most noteworthy. All cost, schedule, milestone commitments, performance measures, and safety data is current as of September 30. Accomplishments, Issues and Integration items are current as of October 19 unless otherwise noted.

The section begins with a summary of notable accomplishments for FY 2000, which are considered to have made the greatest contribution toward safe, timely, and cost-effective, clean up. In addition, notable accomplishments for the first three weeks of FY 2001 are also included. Following the accomplishment section is an overall fiscal year-to-date summary analysis addressing cost, schedule, and milestone performance. Overviews of safety ensue. The next segment of the Executive Summary, entitled Critical Issues, is designed to identify the high-level challenges to achieving cleanup progress.

The next section includes FY 2000 EM Corporate Performance Measures, Management Commitment High Visibility Project Milestones and Critical Few Performance Measures.

The Key Integration Activities section follows next, highlighting PHMC activities that cross contractor boundaries and demonstrate the shared value of partnering with other Site entities to accomplish the work. Concluding the Executive Summary, a forward-looking synopsis of Upcoming Planned Key Events is provided.

Note: Milestones tracked and reported in this report consist of two Department of Energy levels. In descending order these levels are: 1) Department of Energy-Headquarters (HQ), and 2) Richland Operations (RL). Because it is also useful to distinguish milestones based on specific drivers, the Site applies a designation for those milestones created or tracked to meet the requirements of Enforceable Agreements (EAs). When a milestone satisfies both an EA requirement and a milestone level, it is categorized as both. However, in order to avoid duplicate reporting, this report accounts for each milestone only once. Where an overlap exists between EA and a level (i.e., HQ or RL), the milestone is reported as EA. Additionally, Tri-Party Agreement (TPA) Major and Interim milestones are EA milestones, TPA target milestones are not.

Top 5 Accomplishments for FY 2000

STABILIZATION AND PACKAGED PLUTONIUM – FOUR MAJOR PROCESSES ON LINE

- Quadrupled thermal stabilization rates for plutonium (Pu) oxides (658 items in FY 2000 versus 150 items in FY 1999) using 5 muffle furnaces.

- The startup operation of the magnesium hydroxide [$Mg(OH)_2$] precipitation process, initiated September 20, is converting potentially volatile plutonium nitrate acid solutions to a stable oxide form thereby reducing a significant safety risk. Startup of the process is the culmination of months of precise and integrated preparations in what was a very aggressive schedule.

- Operation of an automated state-of-the-art system known as the Bagless Transfer System (BTS) began September 30, 2000, at the Plutonium Finishing Plant. This system accelerates packaging capabilities and reduces radiation exposure through automated packaging of plutonium-bearing material in welded stainless steel containers for long term storage.

- The accelerated startup of the plutonium residues packaging process (Pipe'n'Go) was accomplished on September 11 through successful negotiations between the Department of Energy, Fluor Hanford Inc., and the Washington State Department of Ecology. This process packages imported Rocky Flats ash in preparation for future shipment to the Waste Isolation Pilot Plant (WIPP) in New Mexico (Momentum).

COMPLETED SNF CONSTRUCTION, EQUIPMENT INSTALLATION / TESTING

- Completed construction activities on new nuclear cleanup and storage facilities: Canister Storage Building (CSB), Cold Vacuum Drying Facility (CVDF), and major modifications on K West Basin. Construction of the Interim Storage Area (ISA) adjacent to the CSB was also completed.

- Implemented a strategy to conduct early testing of K West Fuel Retrieval System and Integrated Water Treatment System reducing schedule risk for fuel movement and improving projected fuel production rates in FY 2001.

- Cleared three sections of the T Plant Canyon deck for future acceptance of SNF sludge. This represents significant progress toward readying T Plant and supports completion of sludge removal one-year ahead of schedule (Progress).

TREATED/DISPOSED WASTE AND MATERIALS

- Shipped all 184 T-hoppers containing approximately 667 metric tons of low-enriched uranium in the form of uranium trioxide powder to the DOE Portsmouth site in Ohio by the due date of September 28, 2000. This represents approximately one-third of the total unirradiated uranium inventory stored on the Hanford Site at the beginning of FY 2000.

- Shipped 89 drums of TRU waste, the first three of 2,500 shipments scheduled over the next 30 years, to the Waste Isolation Pilot Plant in Carlsbad, New Mexico.

- Treated or direct disposed of 1,204 m^3 of Mixed Low Level Waste (MLLW), surpassing the FY 2002 goal and completing Tri-Party Agreement (TPA) milestone M-19-00 eighteen months early. MLLW treatment produced 1,940 m^3 of free space in the Central Waste Complex (Completion and Removal).

REMOVED HIGHLY RADIOACTIVE WASTE FROM 300 AREA

- Key 327 Building cleanup was accomplished, which included packaging and shipping: 32.5 m^3 of bulk waste (exceeding the fiscal-year target); 103 legacy waste buckets (28 more than planned); and 90 percent of the 297 sample cans of radioactive materials from dry storage. All eight fuel pins were packaged and shipped; cleanout of H Cell was completed; and all accountable fissile material in hot cells packaged and shipped.

- 324 B Cell Cleanout **(**2A Rack Removal and Size Reduction) was completed three weeks early, and 1A 3-82B cask shipments were completed seven days early, with all 17 grout containers scheduled for FY 2000 shipped (Momentum).

ACHIEVED SAFE WORK HOURS RECORD

- Fluor Hanford, its projects, affiliate companies, and lower tier subcontractors have achieved more than 10 million hours worked since the last Lost Away Workday injury. These hours have accumulated from December 15, 1999 to November 1, 2000 and represent the best Hanford and one of the best DOE complex records (Progress).

PERFORMANCE DATA AND ANALYSIS

The following provides a brief synopsis of overall PHMC Environmental Management (EM) cost, schedule, and milestone performance.

FY 2000 Cost and Schedule Performance

Cost Performance — FY 2000 year end cost performance reflects a 3.7 percent ($21.9 million) favorable cost variance that is within the established +10/-5 percent threshold. Four projects outside the threshold and contributing to the favorable cost variance are Waste Management, River Corridor, Landlord, and National Programs. Detailed variance analysis explanations can be found in the Project Sections.

Schedule Performance — There is a FY 2000 year end 1.5 percent ($8.9 million) unfavorable schedule variance that is within the established +10/-7.5 percent threshold. One project outside the threshold and contributing to the unfavorable schedule variance is Technology Development. Detailed variance analysis explanations can be found in the Project Sections.

BASELINE PERFORMANCE STATUS
FY 2000 COST / SCHEDULE PERFORMANCE – ALL FUND TYPES
CUMULATIVE TO DATE STATUS ($M)

DATA THROUGH SEPTEMBER 30, 2000

	Current Fiscal Year Performance ($ x Million)				
	FYTD			Schedule Variance	Cost Variance
	BCWS	BCWP	ACWP		
The Plateau					
1.2 **Waste Management** TP02,WM03-05	117.0	115.0	102.2	(2.0)	12.8
1.2.4 **Analytical Svcs (222-S,HASP,WSCF)** WM06	28.3	27.6	26.5	(0.7)	1.1
1.4.5 **Nuclear Materials Stabilization** TP05	123.9	123.1	124.5	(0.8)	(1.4)
Subtotal The Plateau	**269.2**	**265.7**	**253.2**	**(3.5)**	**12.5**
The River					
1.4 **River Corridor** TP01,TP04,TP08,TP10,TP12,TP14	58.1	60.5	51.9	2.4	8.6
1.3 **Spent Nuclear Fuel** WM01	201.8	198.2	201.7	(3.6)	(3.5)
1.12 **Advanced Reactors (EM)**	1.7	1.7	2.2	(0.0)	(0.5)
Technology Development (EM-50)	23.9	21.5	20.0	(2.5)	1.4
Subtotal The River	**285.4**	**281.8**	**275.8**	**(3.6)**	**6.0**
The Future					
1.9 **HAMMER** HM01	5.9	5.8	5.4	(0.1)	0.4
Subtotal The Future	**5.9**	**5.8**	**5.4**	**(0.1)**	**0.4**
Multiple Outcomes					
1.5 **Landlord** TP13	16.3	15.3	13.7	(1.0)	1.7
1.8 **Mission Support** OT01	25.5	24.7	25.2	(0.9)	(0.5)
1.11 & WM07 **National Programs** OT02, WM07	6.0	6.2	4.3	0.2	1.8
Subtotal Multiple Outcomes	**47.8**	**46.2**	**43.2**	**(1.7)**	**2.9**
Total PHMC Projects	**608.4**	**599.5**	**577.6**	**(8.9)**	**21.9**

Notes:
Column headings [Budgeted Cost of Work Scheduled (BCWS), Budgeted Cost of Work Performed (BCWP), etc.] are defined in the glossary at the end of the report. Calculations are based on Project Baseline Summary detail. Waste Management, Analytical Services, River Corridor, and Nuclear Materials Stabilization have included RL-Directed costs (e.g. steam and laundry) in the Project Execution Module (PEM) BCWS. Technology Development does not include ORP/RPP TTPs currently reported in the RL Dataset in PEM.

Funds Management — Although earned value measures are close to or within established thresholds, the PHMC previously projected a potential overrun in the Project Completion Control Point. Project Fiscal Year Spend Forecast (FYSF) data continued to be analyzed in comparison to available funds. Management's aggressive steps designed to correct the possible overrun were effective. In addition, an internal reprogramming transferred $5M from the Post 2006 control point to the Project Completion control point and RL identified supplemental funds of $2.94M for the Project Completion control point. As of October 6, a number of other solutions including the reclassification of the 300 Area Accelerated Cleanup Plan and Hanford fire costs to the Post 2006 control point totally mitigated the potential spending variance and resulted in an underrun of approximately $4.0M.

FUNDS MANAGEMENT

FUNDS VS. SPENDING FORECAST ($000)

(FLUOR HANFORD, INC. ONLY)

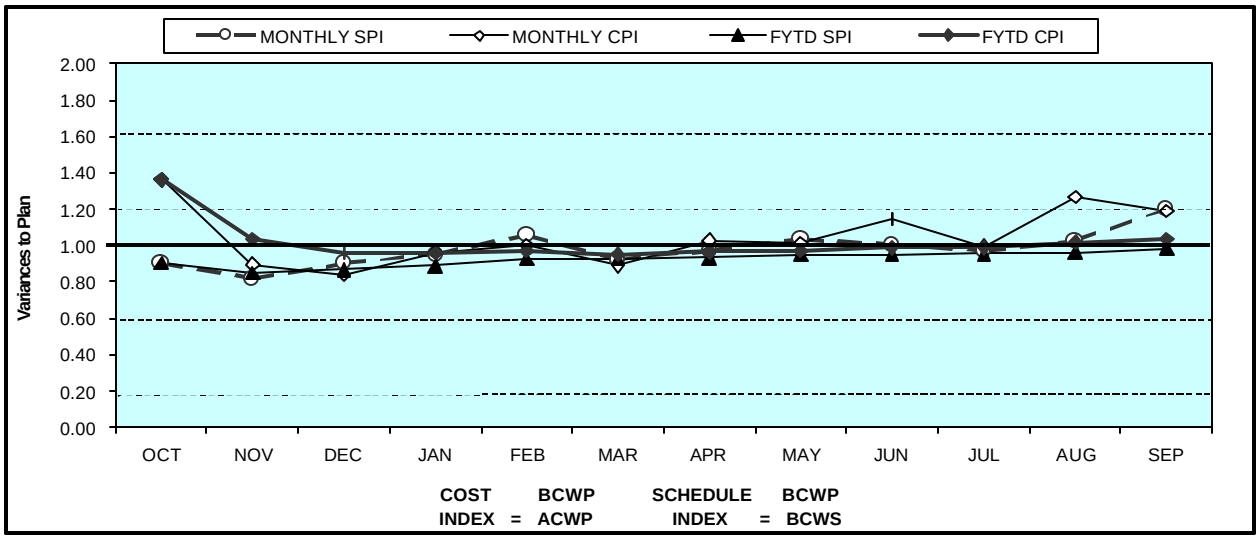
	Project Completion *			Post 2006 *			Line Items/Other *		
	Funds	Actual Cost	Variance	Funds	Actual Cost	Variance	Funds	Actual Cost	Variance
The Plateau									
1.2 **Waste Management** TP02,WM03-05				105,054	95,615	9,439			
1.2.4 **Analytical Svcs (222-S,HASP,WSCF)** WM06				26,457	25,779	678			
1.4.5 **Nuclear Materials Stabilization** TP05	115,639	113,786	1,853						
Line Item							18,178	11,383	6,795
Subtotal The Plateau Operating	**$ 115,639**	**$ 113,786**	**$ 1,853**	**$ 131,511**	**$ 121,394**	**$ 10,117**			
Subtotal The Plateau Line Item							**$ 18,178**	**$ 11,383**	**$ 6,795**
The River									
1.4 **River Corridor** TP01,TP04,TP08,TP10,TP12,TP14,WM05	46,198	44,404	1,794	5,168	4,323	845			
Line Item							279	154	125
1.3 **Spent Nuclear Fuel** WM01	179,045	178,640	405						
Line Item							22,669	22,653	16
1.12 **Advanced Reactors (EM)**							4,199	2,073	2,126
Subtotal The River Operating	**$ 225,243**	**$ 223,044**	**$ 2,199**	**$ 5,168**	**$ 4,323**	**$ 845**			
Subtotal The River Line Item							**$ 27,147**	**$ 24,880**	**$ 2,267**
The Future									
1.9 **HAMMER** HM01				6,318	5,373	945			
Subtotal The Future				**$ 6,318**	**$ 5,373**	**$ 945**			
Multiple Outcomes									
1.5 **Landlord** TP13				17,713	11,754	5,959			
1.8 **Mission Support** OT01				17,652	17,060	592			
Inventory				7,267	(172)	7,439			
1.11 **National Programs** OT02, WM07							6,638	4,328	2,310
Subtotal Multiple Outcomes Operating				**$ 42,632**	**$ 28,642**	**$ 13,990**			
Subtotal Multiple Outcomes Line Item							**$ 6,638**	**$ 4,328**	**$ 2,310**
Total PHMC Proj Operating	**$ 340,882**	**$ 336,830**	**$ 4,052**	**$ 185,629**	**$ 159,732**	**$ 25,897**			
Total PHMC Line Items/Other							**$ 51,963**	**$ 40,591**	**$ 11,372**

Data Through September 2000

Notes: This chart reflects FH Project structure, which divides certain PBS's (WM05 and TP12) between projects. This breakout is necessary to provide FH project managers with information specific to their areas of responsibility and accountability and to facilitate effective management of the funds within their control (obligated to the PHMC). Consequently, these figures will differ from those shown elsewhere in this report (as generated in the PEM system). For purposes of funds management, the "Other" category includes all funding sources not suitable for redistribution within the Project Completion and Post 2006 control points.
The Mission Support Inventory reflects the estimated reserve needed to accommodate indirect commitments.
The following Cost/Schedule and Variance to Plan chart provides an overall graphical view of fiscal year to date cost and schedule performance.

FY 2000 COST / SCHEDULE PERFORMANCE

CUMULATIVE TO DATE STATUS



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.90	0.82	0.90	0.95	1.06	0.92	0.97	1.04	1.00	0.97	1.02	1.20
MONTHLY CPI	1.36	0.90	0.84	0.96	1.00	0.89	1.03	1.01	1.15	1.00	1.27	1.19
FYTD SPI	0.90	0.85	0.87	0.89	0.93	0.92	0.93	0.95	0.95	0.96	0.96	0.99
FYTD CPI	1.36	1.04	0.96	0.96	0.97	0.95	0.96	0.97	0.99	0.99	1.02	1.03
MONTHLY BCWS	$ 32,549	$ 53,749	$ 43,002	$ 46,580	$ 47,980	$ 59,420	$ 52,063	$ 62,362	$ 46,232	$ 43,122	$ 64,121	$ 55,018
MONTHLY BCWP	$ 29,438	$ 43,863	$ 38,748	$ 44,295	$ 50,947	$ 54,698	$ 50,649	$ 64,618	$ 46,358	$ 41,741	$ 65,686	$ 66,252
MONTHLY ACWP	$ 21,600	$ 49,006	$ 45,973	$ 46,037	$ 50,745	$ 61,462	$ 49,182	$ 63,799	$ 40,470	$ 41,919	$ 51,768	$ 55,618
FYTD BCWS	$ 32,549	$ 86,298	$ 129,299	$ 175,880	$ 223,860	$ 283,280	$ 335,344	$ 397,706	$ 443,938	$ 487,060	$ 551,180	$ 606,198
FYTD BCWP	$ 29,438	$ 73,302	$ 112,049	$ 156,344	$ 207,291	$ 261,990	$ 312,639	$ 377,257	$ 423,615	$ 465,356	$ 531,042	$ 597,294
FYTD ACWP	$ 21,600	$ 70,606	$ 116,579	$ 162,616	$ 213,361	$ 274,823	$ 324,005	$ 387,804	$ 428,274	$ 470,193	$ 521,961	$ 577,579

MILESTONE PERFORMANCE

Milestones represent significant events in project execution. They are established to provide a higher level of visibility to critical deliverables and to provide specific status about the accomplishment of these key events. Because of the relative importance of milestones, the ability to track and assess milestone performance provides an effective tool for managing the PHMC EM cleanup mission.

FYTD milestone performance (Enforceable Agreement [EA], U.S. Department of Energy-Headquarters [DOE-HQ], and RL) shows that 86 of 101 (85 percent) approved baseline milestones were completed on or ahead of schedule, 11 milestones (11 percent) were completed late, and 4

milestones (4 percent) are overdue. The four overdue milestones are associated with three projects: Nuclear Material Stabilization (Section C: 1)—two, Spent Nuclear Fuel (Section D)—one, and River Corridor (Section C: 2)—one. These overdue milestones do not share a common cause.

In addition to the FY2000 milestones described above, there are three overdue milestones [(Waste Management (Section B: 1) and Nuclear Materials Stabilization Projects (Section C: 1)] from the prior fiscal year (FY1999). Further details regarding these milestones may be found in the referenced Project Sections.

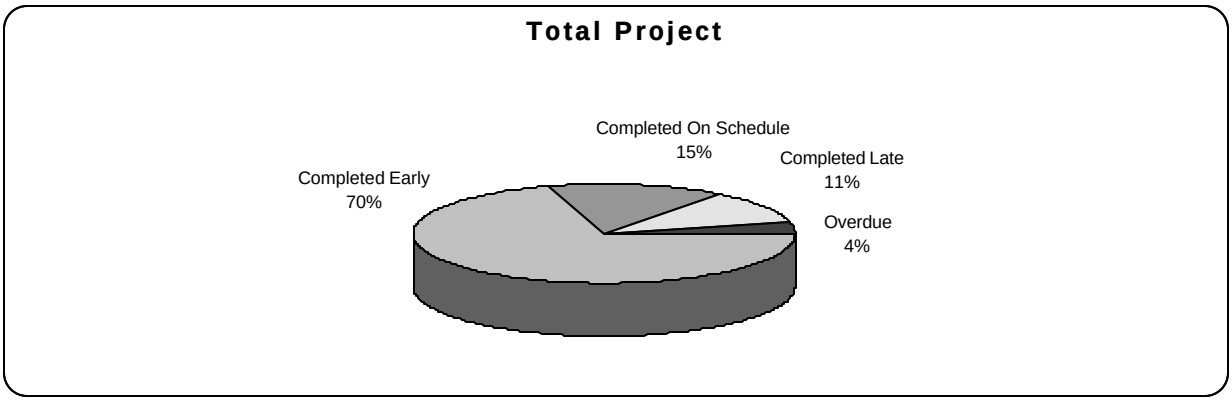
FY 2000 information is depicted graphically below and on the following page. For additional details related to the data in the graphs and prior year milestones, refer to the relevant project section titled “Milestone Exception Report.”

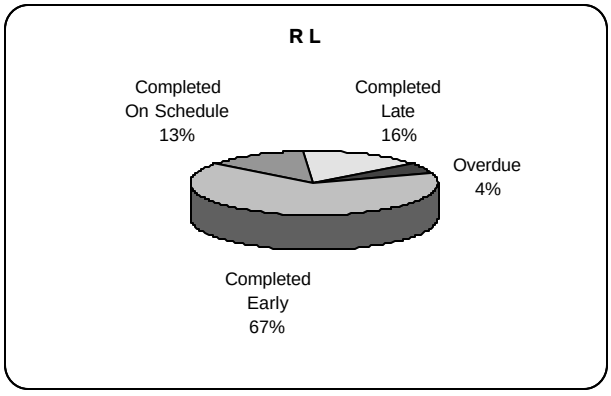
FY 2000 information reflects the current approved baseline. Changes in both the number and type of milestones from month to month are the result of Baseline Change Requests (BCRs) approved during the year.

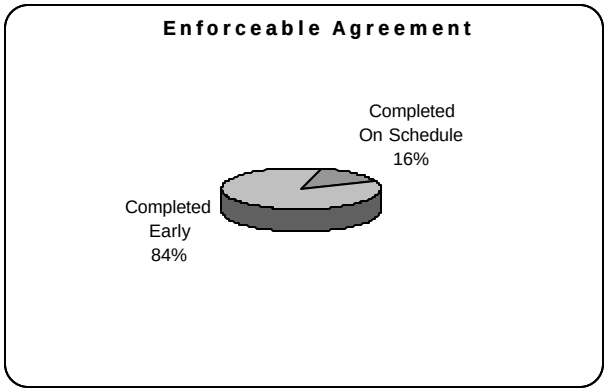
TOTAL ALL HANFORD PROJECTS

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	27	5	0	0	0	0	0	32
DOE-HQ	0	1	0	1	0	0	0	2
RL	44	9	11	3	0	0	0	67
Total Project	71	15	11	4	0	0	0	101

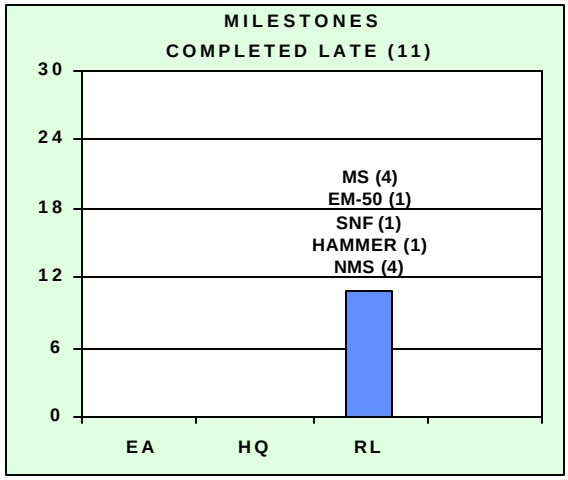


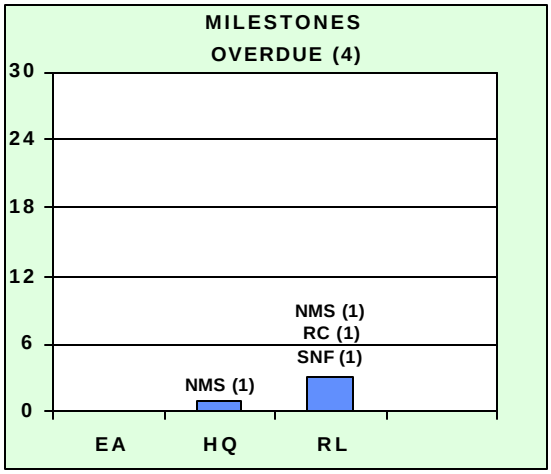




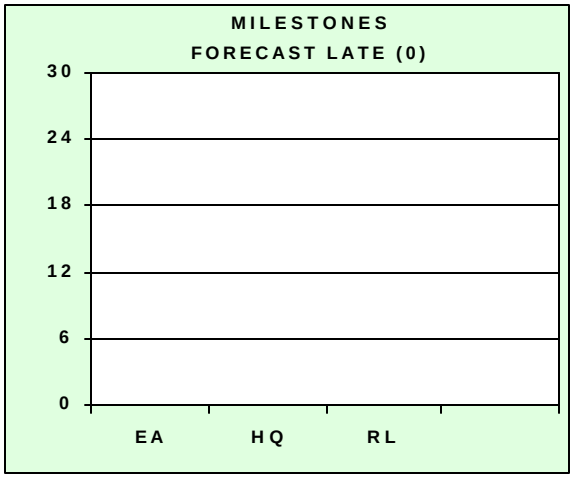
MILESTONE EXCEPTIONS

FISCAL YEAR TO DATE





REMAINING SCHEDULED



These charts provide detail by project and milestone level / type for milestones
- Completed Late
- Overdue
- Forecast Late
- Detailed information can be found in the individual project sections

SAFETY OVERVIEW

The focus of this section is to document trends in occurrences. Improvements in these rates are due to the efforts of the PHMC workforce as they implement the Integrated ES&H Management System (ISMS), work towards achieving Voluntary Protection Program (VPP) "star" status, and accomplish work through Enhanced Work Planning (EWP). Safety and health statistical data is presented in this section.

SIGNIFICANT SAFETY AND HEALTH EVENTS

The Waste Management (WM) Project has demonstrated a significant improvement in their OSHA recordable case rate and has recently achieved One Million Safe Work hours without a lost workday case.

The Analytical Services (AS) Project has had a significant increase in the OSHA recordable case rate in the fourth quarter of FY 2000. AS has been conducting ergonomic evaluations to reduce workplace injuries, and will report findings at the October Presidents' Zero Accident Council Meeting.

The Nuclear Material Stabilization (NMS) Project DOE Safety Cost Index and Lost Away Workday Case Rate are zero. The Employee-led Zero Accident Council has been instrumental in the improvement in workplace safety.

The River Corridor (RC) Project OSHA Recordable Case Rate remains low, however, there has been a significant increasing trend with four cases during June 2000 through August 2000. RC has recently achieved 1 Million Safe Work hours without a lost workday case.

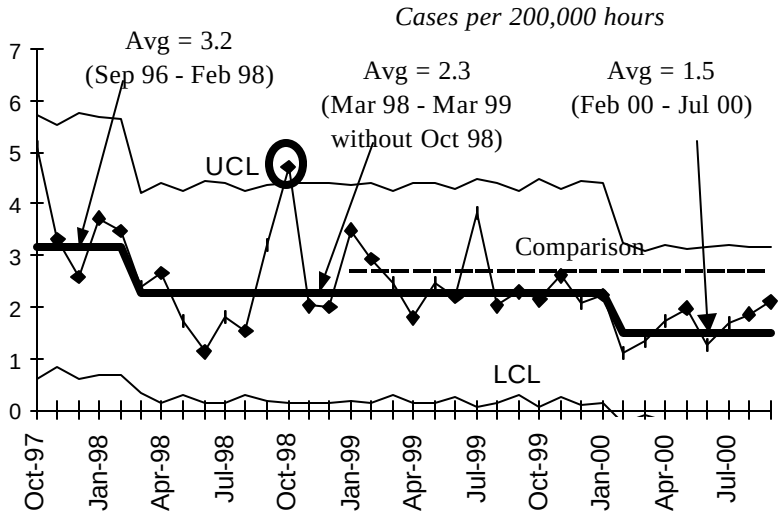
The Spent Nuclear Fuels (SNF) Project OSHA Recordable case rate is stable. There had been signs of improvement in the middle of FY 2000, but it was not significant and has returned to the existing baseline rate.

The Landlord (LL) Project Lost Away Case Rate is very good, and LL is close to exceeding 2 million safe work hours. LL may be showing some signs of improvement in their OSHA recordable case rate, but it is not yet significant.

Due to space constraints, FY1996 data is not portrayed on the following graphs.

Total OSHA Recordable Case Rate

Green



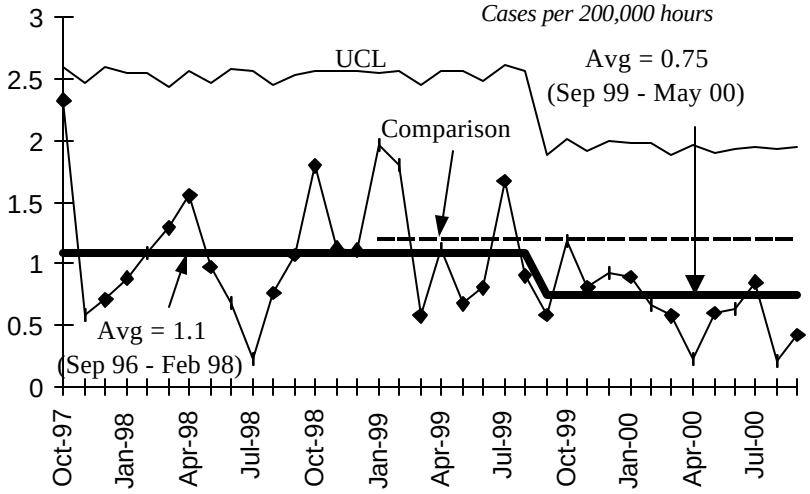
FY 1999 = 2.7
FY 2000 = 1.8
Contractor Comparison
Average = 2.7 (CY99)

Recent data have been stable within the new 1.5 baseline. The FH Team continues to look for opportunities for injury reduction in the areas of ergonomics and lacerations.

FH implemented a program to target an OSHA Recordable Case Rate of 0.9. The Fluor Global Services goal is 1.0. This is in line with Fluor's corporate value of safety and our commitment to the safe clean-up of the Hanford Site.

OSHA Lost/Restricted Workday Case Rate

Green

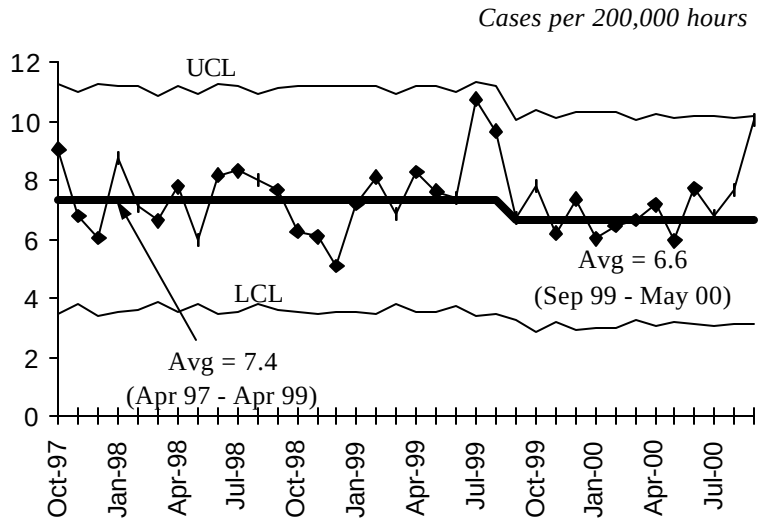


FY 1999 = 1.15
FY 2000 to date = 0.65
Contractor Comparison Average = 1.2 (CY99)
Data continue to be at or below the current baseline average established for September 1999 - May 2000, but is not yet a significant trend.

As of November 1, the FH Team accumulated over 10 million safe work hours since mid-December 1999 without any new lost away workday cases.

Green

First Aid Case Rate



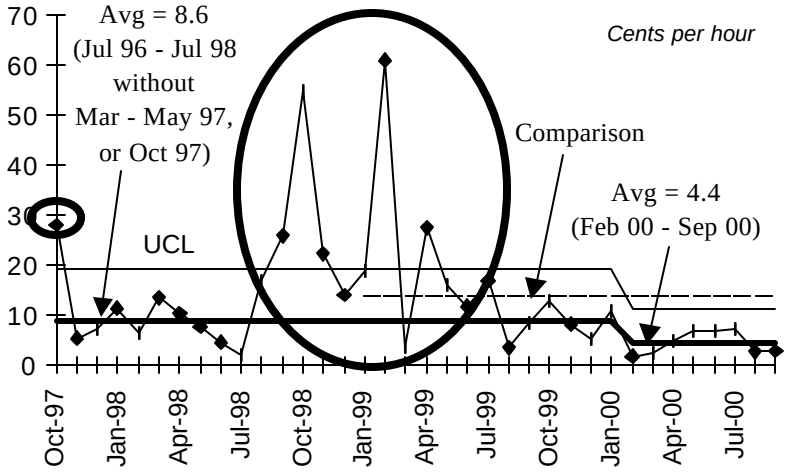
First Aid Rate undergoes seasonal cycles. Increases occur in warmer weather due to insect and animal encounters, and due to wind related minor injuries. First Aid case rate has remained relatively stable, a good indicator that injuries are not being under-reported.

There was a nearly significant increase in September 2000, but the increase appears to be primarily related to summer increases in insect and wind hazards. Past activities to increase awareness of wind hazards and actions to control insects and animals appear to be having an effect.

The hazard of receiving wind-borne debris in eyes when working outdoors has considerably increased due to the bare, exposed sand left by the Hanford wildfire.

Green

DOE Safety Cost Index



FY 1999 = 21
FY 2000 to date = 5.9
Contractor Comparison Average = 13.9 (CY99)
This indicator has had new average and control limits calculated reflecting recent significant decreases in the cost index. This decrease is primarily related to the reduction in Lost Away workday injuries.
Past data continue to be corrected as further days accumulate on any work restrictions or lost days.

CRITICAL ISSUES

- **INABILITY TO MEET ACCEPTANCE CRITERIA DELAYS CELL CLEANUP**
  Hot spots on the bottom of Steel Waste Disposal Boxes loaded with Rectangular Grout Containers from the 324 Building are more radioactive than the current Central Waste Complex (CWC) acceptance criteria of 1R. The shipment schedule/in-cell work schedule has been delayed, but several actions are being pursued. See the River Corridor Project Section C: 2 for more information.

EM CORPORATE PERFORMANCE MEASURES

Performance Measures	EM Management Commitment	FY 2000 Current Baseline	FY 2000 Planned	FY 2000 Actual
Facilities Deactivated/Decommissioned				
Facilities deactivated	21	21	21	25
Facilities decommissioned	13	13	13	23
TRansUranic (TRU) Waste				
Stored - total inventory (m^3)	16,333	16,316	16,316	16,407
Disposed (shipped to DOE site m^3)	55	55	51	19
High Level Waste				
Stored - total inventory (m^3)	4	2	2	2
Treated (m^3)	3,600	3,600	3,600	5,070
Mixed Low Level Waste				
Stored - total inventory (m^3)	7,852	7,852	7,852	7,677
Treated (m^3)	1,060	1,060	1,060	1,204
Disposed	835	835	835	666
Low Level Waste				
Stored - total inventory (m^3)	180	180	180	298
Disposed (on-site/commercial) (m^3)	6,936	6,936	6,936	8,079
Material Stabilized				
Plutonium Oxide (cans)	400	140	140	574
Plutonium Solution (L)	255	255	255	67
Plutonium Residue (kg)	29	29	29	17
Technology Deployments	9	9	5	17
Pollution Prevention				
HAZ (MT)	45	45	45	19
SAN (MT)	1,781	1,781	1,781	986
LLW (m3)	470	470	470	218
MLLW (m3)	138	138	138	120
Cleanup/Stabilized Waste Avoided				
FY 2000 planned baseline amount (m^3)	1,920	1,920	1,920	7,280
FY 2001 planned baseline amount (m^3)	1,926	1,926	N/A	N/A

All of the above reflect the FY2000 year-end status. For deviations +/- 10 percent, see the following projects sections: Facilities Deactivated, Facilities Decommissioned (Landlord); TRU Disposed, HLW Treated, MLLW Treated, MLLW Disposed, LLW Stored, LLW Disposed (Waste Management Project); Materials Stabilized - Plutonium Oxide, Solution and Residue (Nuclear Materials Stabilization Project) and Technology Deployments (EM-50).

Pollution Prevention (National Programs) - PNNL generated approximately 27 mT less of Hazardous Waste (HAZ) then in FY99 as a result of various actions taken in the past few years to minimize HAZ waste generated (i.e., Pollution Prevention Opportunity Assessments, Return on Investment [ROI] implementation, material substitution, and inventory reduction). SAN, LLW and MLLW reflects waste reduction resulting from recycling, ROI implementation, and source reduction. Waste Avoided (National Programs) - The Cleanup/Stabilized Waste Avoided goal to reduce all waste by 10 percent (1,920 m^3) was greatly exceeded. The documented waste was reported at 7,280 m^3 through various processes and uses.

EM MANAGEMENT COMMITMENT MILESTONES AS OF SEPTEMBER 30, 2000

Milestones	Due Date	Forecast Date	Actual Date	Status / Comments
Nuclear Materials Stabilization				
Submit PFP Tank 241-Z-361 Core Sample Data to EPA (M-015-37B)	5/31/00	5/31/00	5/31/00	Complete
Begin Stab. Of Pu Solutions via $Mg(OH)_2$	7/31/00	9/12/00	9/20/00	Complete
Spent Nuclear Fuels				
Complete KW Cask Facility Mods (M-034-14A)	2/29/00	2/29/00	2/29/00	Complete
Commence Phased Startup Initiative Hot Testing	5/31/00	Mid-October	10/19/00	Complete
Complete Phased Startup Initiative Testing	8/31/00	TBD		
Waste Management				
Initiate TRU Shipment to WIPP	5/31/00	7/12/00	7/12/00	Complete

CRITICAL FEW PERFORMANCE MEASURES

Performance Measure	Data Through September 2000
Spent Nuclear Fuel:	
Measure - Amount of fuel removed	
Declaration of Readiness to move Spent Nuclear Fuel	Red
Phased Startup Initiative Phases I & II	Red
Measure - Amount of SNF Stabilized	NA FY 2000
324/327 Building Deactivation:	
Measure - Number of buildings dispositioned	Green
Waste Management:	
Measure - Adequacy of waste management services support	
Number of analytical equivalent units (AEU's) analyzed	Green
Through-put efficiency of effluent treatment facility (ETF) gpm	Green
Number of 242-A evaporator campaigns completed	Green
Measure - Retrieve and ship TRU offsite	
Number of drums retrieved	Green
Number of shipments to WIPP	Green
Measure - MLLW Treated (m3)	Green
Measure - MLLW Disposed (m3)	Green
Measure - Clear three T-Plant canyon deck sections	Green
Measure - Remove two PUREX separation towers	Green
Plutonium Stabilization:	
Measure - Pu metal/oxides/other types dispositioned (items)	Yellow

Yellows noted above are behind schedule but recoverable. Red is either missed or unrecoverable. Details can be found in the Project Sections.

KEY INTEGRATION ACTIVITIES

The following are the key technical integration activities that are currently underway and cross project/contractor lines. These activities are being addressed by inter-discipline and inter-project groups and demonstrate that Hanford Site contractors are working together to accomplish the EM Clean up mission.

- Waste Management (WM) continues working with RL, DOE-HQ and other Sites to develop and define Hanford's role in disposing of waste from other sites. Hanford's role as one of the identified LLW/MLLW disposal sites for the Complex is yet to be fully defined.

- WM supporting the Office of River Protection Waste Treatment Plant.

- WM supporting visits from both the DOE-Idaho Program Office and the Office of the Inspector General in regards to opportunities for treatment/disposal of Idaho National Engineering Environment Laboratory (INEEL) wastes at Hanford.

- WM continues working with PNNL, EM-50 and Mixed Waste Focus Area (MWFA) to obtain funding in support of mixed waste processing.

- Analytical Services continues to support ORP efforts to establish required analytical support for Waste Treatment Plant (WTP) design and operation.

- Through involvement with the National Facility Deactivation Initiative, Hanford, Rocky Flats, and Savannah River are working to submit a joint proposal for a contaminated large equipment size reduction system deployable at the three sites.

- Spent nuclear fuel (SNF) final disposition interface activities, including Office of Civilian Radiation Waste Management (OCRWM) Quality Assurance (QA) Program implementation, is ongoing with the National SNF Program. The SNF Project submitted eight Corrective Action Closure packages to RL for National SNF Program approval.

- SNF Project Programmatic Agreement with River Corridor Project for 324 Building (B Cell) fuel removal was approved.

- The SNF Project and Waste Management Project continued preparations for K Basins' sludge removal and Shippingport (PA) Pressurized Water Reactor Core 2 SNF removal.

- Bechtel Hanford, Inc. transmitted the transfer plan for SNF discovered during upcoming 105F and 105H reactor basins deactivation to SNF Project for review and approval.

UPCOMING PLANNED KEY EVENTS

The following Key events are extracted from the authorized baseline and are currently expected to be accomplished during the next several months. Most are Enforceable Agreement (EA), HQ or DNFSB Milestones.

Waste Management:

- Accelerate Readiness to Receive Spent Nuclear Fuel K Basin Sludge.
    - Complete procedures, training, and Operations Readiness Review (ORR) by June 2001.
    - Complete entire T Plant deck clearing in FY 2001.
    - Complete safety basis documentation and long lead procurements in FY 2001.
    - Install handling, drying and loading equipment in FY 2001.

Analytical Services

- Dr. Steven Bakhtiar of Analytical Services is chairing the 46th Annual Bioassay, Analytical, and Environmental Radiochemistry (BAER) Conference in Seattle in mid-November 2000.

Nuclear Materials Stabilization:

- Complete installation and startup of the Supercritical Fluids Extraction equipment for Loss-on-Ignition moisture measurement in the first quarter of FY 2001.
- Initiate metal processing in the first quarter of FY 2001.
- Receive delivery of the 2736-ZB BTS and Outer Can Welder (OCW) during the second quarter of FY 2001.
- Initiate alloys and polycube stabilization in third quarter of FY 2001.

River Corridor Project:

- Complete Removal of 324 Building Radiochemical Engineering Cell (REC) B Cell Mixed Waste (MW) and Equipment in the first half of FY 2001.
- Implement technical update of 324 Authorization Basis (Safety Analysis Report) by mid-December, 2000 and implement technical update of 327 Authorization Basis (Basis of Interim Operation) by March, 2001.
- Complete Facility Evaluation Board review during first quarter of FY 2000.
- Complete shipment of approximately 235 metric tons of excess uranium billets and approximately 5 metric tons of uranium dioxide to the DOE Portsmouth site in Ohio by March 31, 2001 and disposition approximately 140 metric tons of surface contaminated uranium fuel by June 30, 2001.
- Complete shipment of B Cell waste currently stored in A Cell to the 200 Areas in July 2001.

Spent Nuclear Fuels:

- Begin K West Basin fuel removal, drying and storage operations by November 30, 2000.
- Start K West Basin canister cleaning in December 2000.
- Complete K East Basin Sludge Loadout conceptual design in January 2001.
- Complete K East Basin Integrated Water Treatment System (IWTS) definitive design in April 2001.

Landlord

- Complete Project L-309, “Replace Main Water Lines” by December 22, 2000.
- Complete installation of a chlorine containment system for Project L-303, “200 West Area Chlorine Mitigation” by January 31, 2001.